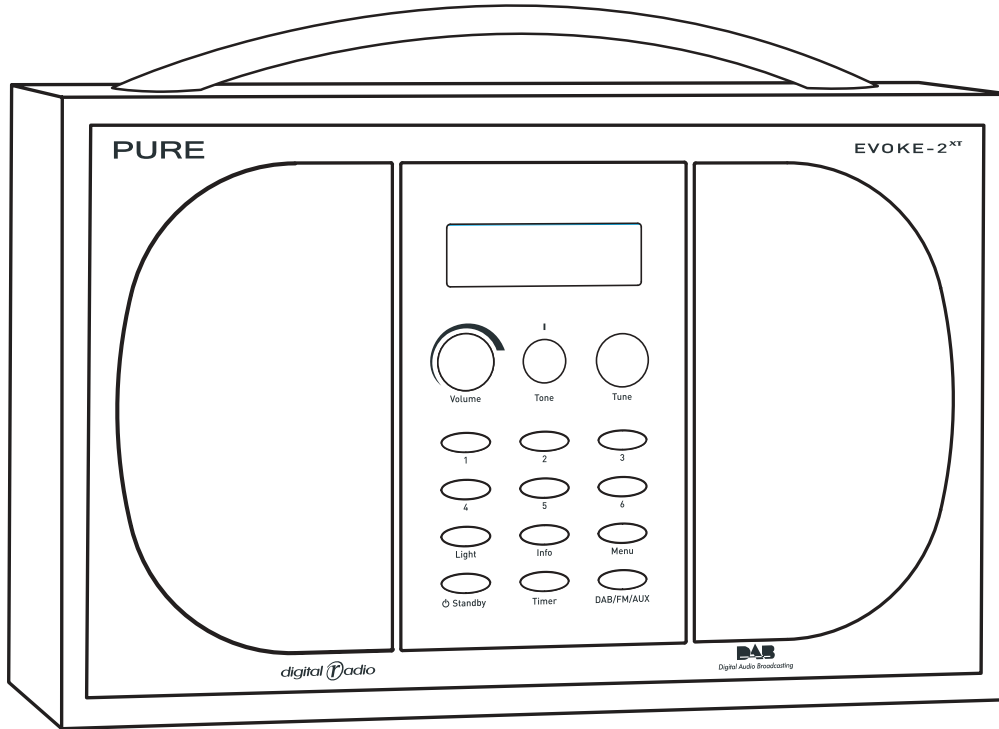


PURE

EVOKE-2^{XT}

Owner's Manual **GB**



DAB

Digital Audio Broadcasting

digital **R**adio



GB Warranty information

Imagination Technologies Ltd. warrants to the end user that this product will be free from defects in materials and workmanship in the course of normal use for a period of two years from the date of purchase. This guarantee covers breakdowns due to manufacturing or design faults; it does not apply in cases such as accidental damage, however caused, wear and tear, negligence, adjustment, modification or repair not authorised by us. Please register your product on our website at www.pure.com/register or by filling in and returning your warranty card. Should you have a problem with your unit please contact your supplier or contact PURE Support at the address shown on the rear of this manual.

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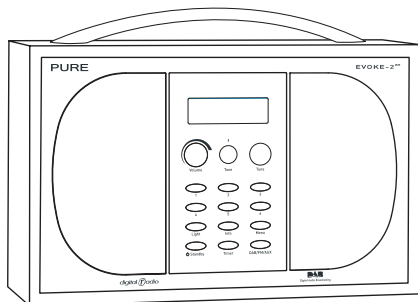
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Introduction



Thank you for buying the PURE EVOKE-2^{XT} - luxury portable stereo DAB and FM radio.

Please take a minute or two to read through this manual to help you get the most of your radio, read the safety instructions below, and register your product on our website at www.pure.com/register or by filling in and returning your warranty card.

GB

Safety instructions



Keep the radio away from heat sources.

Do not use the radio near water.

Avoid objects or liquids getting into the radio.

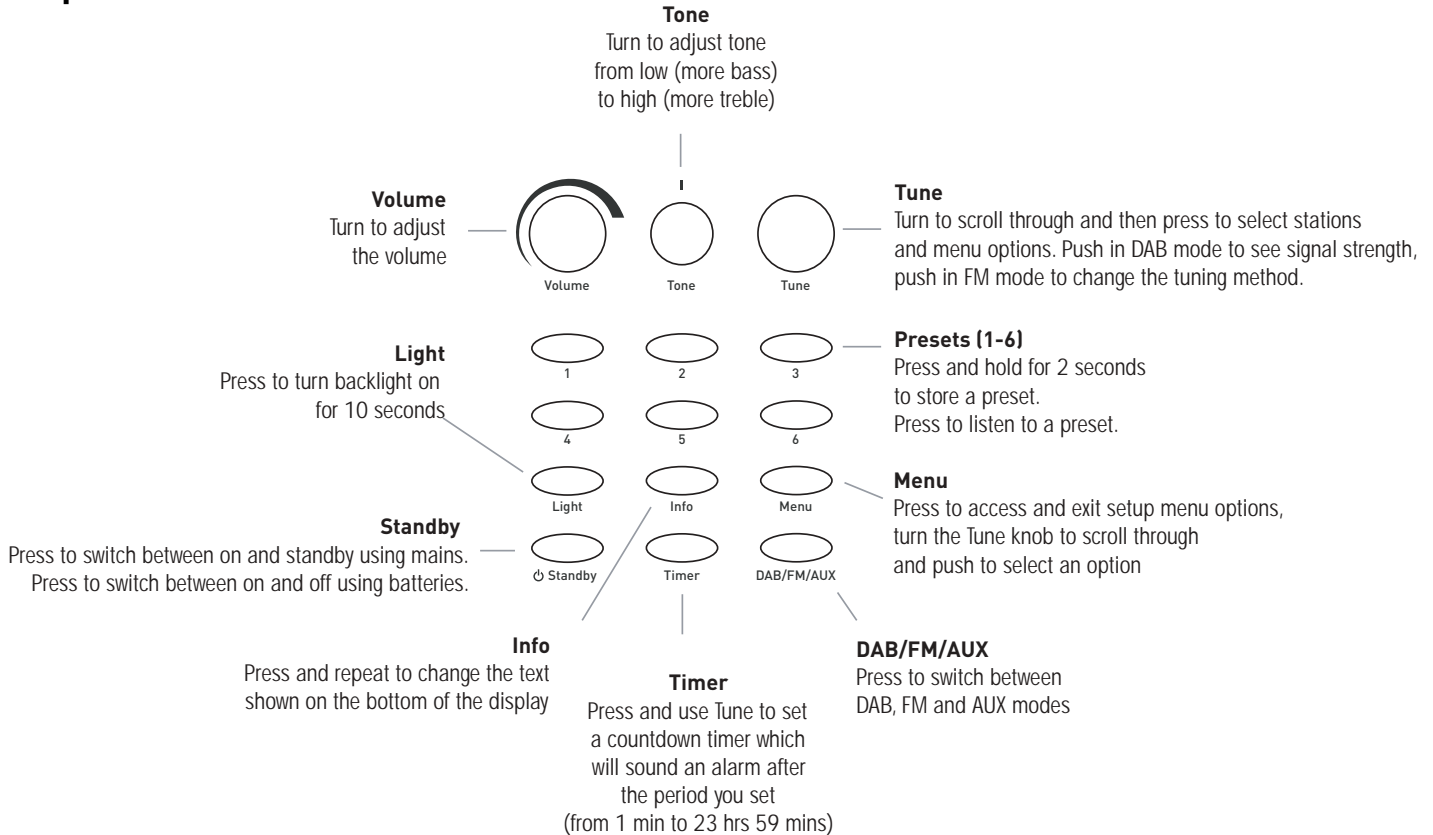
Do not remove screws from or open the radio casing.

Remove batteries if exhausted or if they will not be used again for a long period.

Use only the supplied 9V power adapter if connecting the radio to the mains.

Overview diagrams

Front panel - controls



Rear panel - connectors

9V DC

Connect to mains adapter



9VDC
- +

USB

Connect to a PC for software upgrades



USB

Digital Out

S/PDIF optical digital out (DAB only)



Digital Out

Headphones

Connect to headphones (mutes speakers)



Line Out

Analogue output to external amplifier or recorder



Line Out

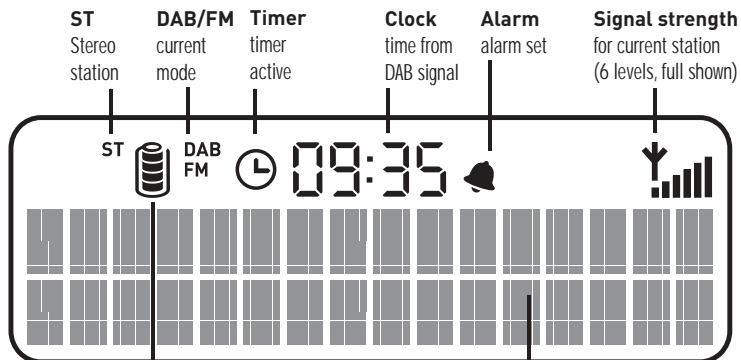
Aux In

Analogue stereo input from auxiliary device such as iPod, CD player, MiniDisc etc.



Aux In

LCD screen



Battery

battery charge monitor (6 levels, full shown, lowest level flashes)
Animated when charging ChargePAK™.

Text area

16 x 2 character text display area.

Getting started

You've unpacked the box - here's how to quickly get up and running using your EVOKE-2^{XT}.

- 1 Fully extend the telescopic aerial, connect the mains adapter and plug in to your power supply or fit six size 'C' batteries or the ChargePAK C6 available from PURE.
The LCD lights up and the display shows 'PURE EVOKE-2^{XT}' and a progress bar on the bottom line indicates the progress of an autotune to find the DAB stations available in your area. The stations found will be stored in alphanumeric order and the first station on the list will be selected.
- 2 Adjust the Volume and Tone knob if required.
- 3 Turn the Tune knob to see all the stations available and push to change to another station.
- 4 Press the Info button and repeat to cycle through the optional DAB display modes.
- 5 Press the DAB/FM/AUX button to change to FM mode and listen to FM stations and again to listen to a connected auxiliary device such as an iPod, CD or MiniDisc player.

Switching on and off

To switch on your EVOKE-2^{XT} press the Standby button.

To switch your EVOKE-2^{XT} from on to standby press the Power button. In standby state your EVOKE-2^{XT} uses a very small amount of power.

Note To switch off your EVOKE-2^{XT} completely unplug the power adapter. Your preset stations and other settings will be saved.

Using DAB

To listen to digital radio stations press the DAB/FM/AUX button until you see the DAB icon on screen. If this is the first time you have switched to DAB, you hear the first station on the list, otherwise you hear the last station you were listening to.

Changing stations

You can change stations using the Tune knob or by selecting a numbered preset button.

1. Turn the Tune knob to scroll the list and find the station you want.
The current station is shown at the top of the screen.
2. Push the Tune knob to change the station.

A station with '?' before its name may not be currently available either because you have lost reception or the station is not currently broadcasting. You can use the 'Trim stn. list' option to remove them from the station list, see page 8.

Using presets

The numbered buttons enable you to assign up to six DAB radio stations to presets for easy one-touch access. You can also automatically transfer your six favourite stations to presets, see *Station order* on page 7.

You can store a station to a preset while listening to it or when you see the station name at the bottom of the screen while scrolling through the station list. Press and hold down a numbered button to store the station under that number. This will overwrite any existing DAB preset stored under this number.

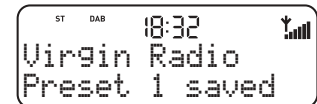
When you save a station as a preset, the station name shows the preset number next to it on the station list. To select a preset press the relevant numbered button.



Default DAB screen



Changing stations



Storing a preset

Changing the information on the screen

Press the Info button to change what you see on the bottom line of the screen.



Scrolling text



Time and date



Channel and frequency

Scrolling text

The default mode, broadcast by most stations.

Program Type

Type of content being broadcast.

Multiplex

Multiplex the current station belongs to. Multiplexes or ensembles are groups of stations owned and broadcast by a single operator.

Time and date

Time and date updated regularly from the current multiplex. If your radio has been unplugged there may be a slight delay before the time appears when you switch on.

Channel

Multiplex channel and frequency.

Signal info

Stereo or mono indicator and data rate at which the signal is being transmitted. This rate is set by the broadcaster to suit the type of material. Higher rates generally mean higher quality.

Signal quality

Signal quality. As a guide, values from 85 to 100 indicate good reception, 70 to 84 borderline reception and 0 to 69 poor reception.

DAB setup options

Press the Menu button, turn the Tune knob and push to choose one of the following options.

Station order

Changes the order of stations on your station list. Turn the Tune knob to scroll through the following options and push to select one:

Alphanumeric Displays all stations in alphanumeric order.

Fav station Displays your six most listened to stations at the top of the station list and the rest below, in alphanumeric order. Your favourite stations are displayed with a ♥ next to their names.

Active station Displays active stations at the top of the station list and inactive ones at the bottom in alphanumeric order. Inactive stations are those on the station list but not currently available, marked with a '?'.

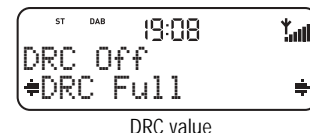
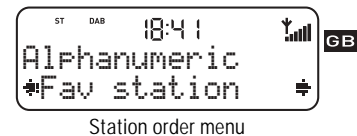
Multiplex Lists stations in groups according to their multiplex. Multiplexes, sometimes called ensembles, are groups of stations owned and broadcast by a single operator.

Trim stn. list Removes inactive stations from the station list.

♥ → **presets** Available only when Fav station order (above) has been selected. Transfers your favourite stations to the six presets.

DRC value

DRC (Dynamic Range Control) value makes the quieter sounds in a broadcast easier to hear at low volume or in a noisy environment. The DRC level of a broadcast is set by the station and sent with the signal. At the time of writing in the UK only BBC Radio 3 and 4 regularly use DRC. Check with the broadcasters to find out if they use DRC on their stations.



Turn the Tune knob to scroll through the following options and push to choose one:

DRC Off DRC is switched off. Any DRC level broadcast will be ignored.

DRC Half DRC level is set to half that sent with the broadcast.

DRC Full Applies the DRC level as sent with the broadcast.

Autotune UK

Scans all UK frequencies for DAB stations and adds any new ones to the station list.

Autotune full

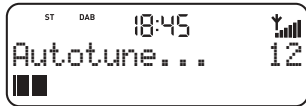
Scans the full range of digital frequencies in Band III. This option is for use outside the UK where other Band III stations may be available.

Tuning aid

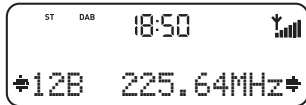
Shows signal level which you can use to find the best position for your radio and aerial.

1. Turn the Tune knob to scroll through different channels and push to choose one (UK stations are in the range 11B to 12D). You see a signal level display. The empty block indicates the minimum required level for reception and the filled blocks indicate the current level.
2. Move your aerial while watching the display and to try to raise the current level to the empty block or beyond. Once you have a good signal the display will show the multiplex name and add the stations to the station list.
3. Push the Menu button to exit the tuning aid or use the Tune knob to change station.

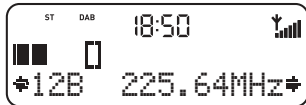
Note You can display the signal level at any time by pushing the Tune knob.



Autotune UK Band III option



Tuning aid - channel



Tuning aid - low signal

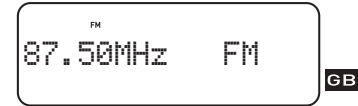


Tuning aid - good signal

Using FM

To listen to FM radio stations press the DAB/FM/AUX button until you see the FM icon on screen.

If this is the first time you have switched to FM, EVOKE-2^{XT} starts at the beginning of the frequency range, otherwise you hear the last station you were listening to.



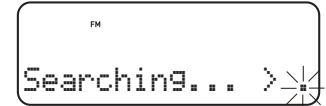
Default FM screen

Changing stations

You can change stations using the Tune knob or by selecting a numbered preset button.

Turn the Tune knob and let go to search up or down the frequency range and find the station you want. You may see 'Searching...' briefly on screen while the search for the next station is in progress.

You can change the FM tuning method, if preferred, to enable you to manually step up and down the frequency range see Tuning method on page 10.



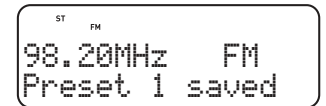
Seek tune - Searching for station

Using presets

The numbered buttons enable you to assign up to six FM radio stations to presets for easy one-touch access. These six presets are in addition to any DAB presets you may have stored and are only accessible while in FM mode.

To store presets press and hold down a numbered button to store the station under that number. This will overwrite any existing FM preset stored under this number.

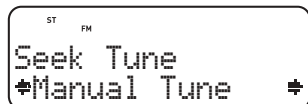
To select a preset press the relevant numbered button.



Storing a preset

FM setup options

Press the Menu button, scroll using the Tune knob and push to choose one of the following setup options.



Tuning method options

Tuning method

Changes how you tune from one station to another. The current method is shown on the top line of the display.

Turn the Tune knob to view the options and push to select one:

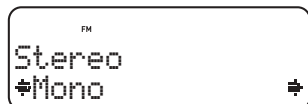
Seek Tune automatically searches for the next FM station

Manual Tune lets you manually step through the frequency range in steps of 0.05 MHz

Mono/Stereo

Changes between stereo and mono reception - mono may be clearer for stations with weak signals. The current mode is shown on the top line of the display.

Turn the Tune knob to view the options and push to select one.

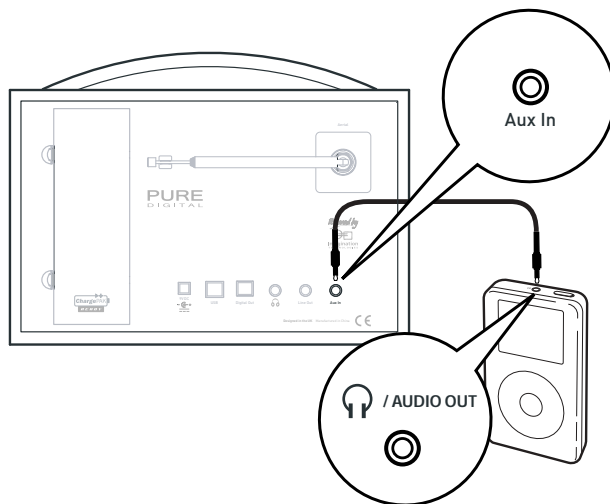


FM Stereo options

Using an auxiliary device

You can listen to an auxiliary device such as an iPod or CD player through the speakers on your EVOKE-2^{XT} by connecting it to the Aux In socket on the rear panel.

1. Use a dual phono to 3.5 mm or 3.5 mm to 3.5 mm stereo cable to connect to your device.
2. Press the DAB/FM/AUX button until you see 'Auxiliary input' on the screen.
3. Press play on your auxiliary device.
4. Set the volume high on your auxiliary device then adjust volume and tone on your EVOKE-2^{XT} as required.



22:06
Auxiliary
input

Auxiliary input mode

GB



Alarm - settings

Setting an alarm

EVOKE-2^{XT} has a daily alarm which switches the radio on (if in standby mode) and tunes to the station you have chosen or sounds a tone. To set or change an alarm:

1. Press the Menu button to see the current alarm settings.
2. Push the Tune knob if you want to change the alarm settings.
3. Turn the Tune knob to scroll through the following settings and push to change them. The current setting is shown on the top line of the screen.

Set alarm Set the alarm on or off.

Set time Turn the Tune knob to set the hours, push the Tune knob, turn again and push to set the minutes.

Set mode Choose between a DAB radio alarm (set to latest station tuned to in that mode) or Tone alarm. The alarm volume will be whatever the volume control is set at when the alarm goes off.

When finished, press the menu button or wait to exit. You will see a bell symbol on the screen next to the clock showing that an alarm is set. **Note** If you set a DAB alarm and the station is not available when it is due to go off, a tone alarm will sound instead.

When the alarm goes off, EVOKE-2^{XT} will beep or tune to the station you have chosen. You see the clock and the backlight flashing on screen. You cancel the alarm as follows:

Radio alarm Press any button to cancel the alarm and perform the button's normal function.

Tone alarm Push the Tune knob or Standby to cancel the alarm.

All alarms will automatically stop after 60 minutes if not cancelled and your EVOKE-2^{XT} will go into standby.



Alarm - set icon

Setting a countdown timer

You can set a timer which will sound an alarm after a period – ideal for use in the kitchen.

1. Press the Timer button.
2. Turn the Tune knob to change the hours, push and turn again to change the minutes and push again to confirm.

The timer is now set, you see the Timer icon on screen and the alarm will sound after the period you have set. To view the time remaining press the Timer button again. To cancel or reset the timer to zero before it goes off, press and hold down the Timer button for three seconds. When the timer alarm goes off you can cancel the alarm by pushing the Tune knob or Standby button.



Countdown timer - setting

GB



Countdown timer - set icon

General setup options

Display

To change the screen backlight settings, select one of the following options:

Brightness

To change the screen brightness turn the Tune knob to choose between Off, Low and High and push to select one.

Standby mode

To change the screen brightness for when your EVOKE-2^{XT} is in standby mode turn the Tune knob to choose between Off, Low and High and push to select one.

Sw version

Displays the version of the software in your radio. You may be asked to quote this if you contact Technical Support.

Sw upgrade

You can upgrade the software in your EVOKE-2^{XT} using a PC connected to the USB port on the rear panel. To upgrade, select Sw upgrade and follow the instructions provided with the software. Upgrades may be issued to provide enhanced functions or improve performance. Register your product and include an e-mail address to receive notification of software updates or visit our website at www.pure.com/support. To exit the software upgrade menu press the Menu button again.

Using batteries

As an alternative to mains power you can use six size 'C' alkaline or rechargeable batteries or use the PURE ChargePAK™ C6 rechargeable battery pack. When using batteries or a ChargePAK the Battery Charge monitor icon on the screen gives an indication of the charge remaining in the batteries.

To switch to battery supply remove the power adapter plug from the rear of the unit.

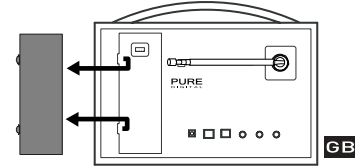
Using a ChargePAK™

The PURE ChargePAK C6 is the easiest option if you want to use your EVOKE-2^{XT} away from mains power frequently. ChargePAK is a rechargeable battery pack which plugs into the socket in your EVOKE-2^{XT} battery compartment. Whenever your EVOKE-2^{XT} is connected to a mains supply the ChargePAK will be charging. A complete charge should take around 10 hours. You can safely leave the ChargePAK in your radio so it is always ready to use. For more details on or to purchase a PURE ChargePAK C6, contact your nearest PURE dealer, visit the shop on our website at www.pure.com or call the PURE order line on 0845 045 1122.

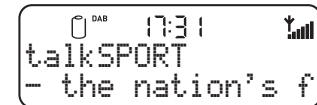
Note After charging your ChargePAK can feel warm to the touch, this is completely normal.

Using batteries

If you use rechargeable batteries (NiMH or NiCd), connecting the unit to the mains will not recharge the batteries. Use a separate charger such as the BC-CD6 battery charger available from PURE to recharge your batteries. Rechargeable batteries do not provide as much power as alkaline batteries, and therefore your EVOKE-2^{XT} will not give you the same battery life on rechargeable as using alkaline batteries. We recommend high capacity rechargeable batteries (3500 mAh or greater).



Using batteries or ChargePAK
- fully charged



Using batteries or ChargePAK
- charge low

Hints and Tips

<</>> Secondary DAB services

Secondary services accompany some stations, providing extra information or alternative content and may only be broadcast at certain times. At the time of writing not many secondary services are available. If a station has secondary services available, the station shows '>>' next to its name in the station list and the secondary service appears next to the station in the list. A secondary service has a '<<' before its name in the station list.

(?) Inactive or unavailable DAB stations

Inactive or unavailable stations are those which appear on the station list but are not currently available because either you are outside the broadcast area, have lost reception or the station is not currently broadcasting. Unavailable stations have a '?' before their name on the station list. If you select a station which has this symbol, EVOKE-2^{XT} returns to the last station you were listening to.

I hear a 'burbling' sound on some DAB stations

Although DAB is excellent at providing quality audio from very little signal, the quality can suffer if the signal strength is too low. If that happens, a 'burbling' sound can sometimes be heard. To help reduce this, check that your aerial is fully extended and upright. If the problem persists try moving your radio or repositioning your aerial using manual tuning.

Display says 'No stations available'

Check that your aerial is fully extended. Use Autotune to search for stations. Use manual tuning to adjust your aerial or radio position.

Clock shows the wrong time

This may happen if the DAB multiplex you are tuned to broadcasts an incorrect time signal, try tuning to a station in another multiplex.

My radio won't switch on

Check that you have charged batteries/ChargePAK inserted or a mains supply connected. If you have batteries in your unit and mains power has been lost remove the power lead from your EVOKE-2^{XT} to use battery power.

Resetting your radio

Resetting your EVOKE-2^{XT} removes all presets, stored stations and favourite station settings and resets all options to defaults. To reset:

1. Press and hold the Menu button for three seconds. The screen shows 'Press Tune to confirm reset'.
2. Push the Tune knob to confirm the reset or press no buttons to cancel the reset.

Technical Specifications

General	Stereo DAB digital and FM radio with full Band III DAB reception capability, for reception of all UK DAB broadcasts and full UK FM capability. Fully compliant with ETS 300 401 and capable of decoding all DAB transmission modes 1-4 up to and including 256 kb/sec.
Speakers	Two full-range 3 inch drive units
Frequency range	DAB – Band III (174-240 MHz), with fast Autotune feature FM – 87.5-108 MHz
Aerial	Removable telescopic aerial supplied
Input connectors	9V DC power adapter socket (230V adapter supplied), USB (B type) connector for software upgrades, 3.5 mm Line in for connection of auxiliary devices
Output connectors	3.5 mm socket for headphones, 3.5 mm Line out (analogue), Digital out (Optical S/PDIF)
Controls	Power on/standby, DAB/FM/AUX selector, rotary Volume, rotary Tone, 6 preset buttons, rotate and push Tune knob, Menu, Light and Info.
LCD display	Custom, easy to read LCD with 16 x 2 character display plus status icons.
Mains power supply	230V AC to 9V DC external power adapter
Input power	9V 1.5A
Battery power	6 size 'C' batteries or ChargePAK (available separately). Battery life of 25 hours on alkaline batteries for DAB at normal listening levels, over 10 hours using ChargePAK. Ultra low-power standby mode.
Approvals	CE marked. Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC)
Dimensions	290 mm (width) x 220 mm (height) x 130 mm (depth)

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